

CALIFORNIA ENERGY COMMISSION

1516 NINTH STREET
SACRAMENTO, CA 95814-5512



STATE OF CALIFORNIA
State Energy Resources
Conservation and Development Commission

In the Matter of:)	Docket No. 98-AFC-4C
)	Order No. 02-0814-1(b)
SUNRISE POWER PROJECT)	
)	
Petition for Proposed Modifications:)	
Simple-Cycle Flexible Quarterly Emission)	COMMISSION ORDER APPROVING
Limits)	PROJECT MODIFICATION
)	

On July 16, 2002, the Sunrise Power Company, LLC, submitted a Petition to Amend air quality Condition of Certification AQ-17 to allow for flexible quarterly emission limits for the existing simple-cycle power plant during 2002/2003. Simple-cycle operations are scheduled to cease in the summer 2003, at which time combined-cycle operations will commence.

At a regularly scheduled Business Meeting on August 14, 2002, the Commission considered staff's analysis and approved the Petition and the proposed revised condition in accordance with Title 20, section 1769(a)(3) of the California Code of Regulations.

COMMISSION FINDINGS

Based on staff's analysis, the Energy Commission concludes that the proposed changes will not result in any significant impact to public health and safety, or the environment. The Energy Commission finds that:

- A. There will be no new or additional unmitigated significant environmental impacts associated with the proposed changes.
- B. The facility will remain in compliance with all applicable laws, ordinances, regulations, and standards, subject to the provisions of Public Resources code section 25525.
- C. The change will be beneficial to the public, applicant, or intervenors. In this case, the amendment will be of benefit to the project owner to allow operational flexibility during periods of high electricity demand.
- D. The proposed project modification is a result of a change in the post-certification operating environment where increased peak-load demands require operational flexibility.

ORDER

The California Energy Commission hereby approves the Sunrise Power Company, LLC, Petition to Amend Air Quality Condition of Certification AQ-17 to allow for flexible quarterly emission limits for the existing simple-cycle power plant during 2002/2003, and orders the following changes to the Sunrise Power Project:

REVISIONS TO EXISTING CONDITIONS OF CERTIFICATION

(Added text is underlined, deleted text is shown in ~~strikethrough~~.)

AQ-17 Quarterly and annual emissions from both CTGs combined shall not exceed any of the following limits:

For simple cycle operation:

During the year of 2001 (units are in pounds):

	1 st Quarter	2 nd Quarter	3 rd Quarter	4 th Quarter	Annual Total
PM10	0	9,400	41,216	32,442	83,058
SOx (as SO2)	0	3,734	15,897	13,248	32,880
NOx (as NO2)	0	59,398	256,754	213,971	530,123
VOC	0	2,976	17,504	15,581	36,061
CO	0	30,338	175,346	156,685	362,369

During the year of 2002 & 2003 (units are in pounds):

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Annual Total
PM10	24,342	24,594	24,828	24,828	98,592
SOx (as SO2)	9,879	9,338	9,432	10,087	38,736
NOx (as NO2)	159,994	152,063	153,547	163,284	628,888
VOC	12,222	11,828	11,896	127,374	48,320
CO	122,599	117,762	118,461	124,172	482,994

	<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>	Annual Total
PM10	<u>40,320</u>	<u>40,768</u>	<u>41,216</u>	<u>41,216</u>	<u>98,592</u>
SOx (as SO2)	<u>16,632</u>	<u>15,725</u>	<u>15,898</u>	<u>17,002</u>	<u>38,736</u>
NOx (as NO2)	<u>267,426</u>	<u>253,962</u>	<u>256,745</u>	<u>273,369</u>	<u>628,888</u>
VOC	<u>17,922</u>	<u>17,314</u>	<u>17,505</u>	<u>18,320</u>	<u>48,320</u>
CO	<u>181,068</u>	<u>173,440</u>	<u>175,346</u>	<u>185,092</u>	<u>482,994</u>

For combined cycle operation:**Annual emission limits only**

PM10: 269,651 lbs/year
 SOx (as SO2): 24,259 lbs/year
 NOx (as NO2): 311,337 lbs/year
 VOC: 87,674 lbs/year
 CO: 507,978 lbs/year

[District Rule 2201]

Protocol: Each calendar month in a twelve consecutive month rolling emissions total will commence at the beginning of the first day of the month. The twelve consecutive month rolling emissions total to determine compliance with annual emission limits will be compiled from the twelve most recent calendar months. [District Rule 2201]

While operating as a simple cycle power plant, the applicant shall submit to the CPM for approval the following summary of emissions and mitigation allocation in the quarterly reports required in Condition of Certification AQ-3.

- Total monthly and quarterly NOx emissions as reported by the CEM.
- Total monthly and quarterly CO emission as reported by the CEM.
- Total monthly and quarterly fuel usage as reported by the fuel meter.
- The most recent source test results (in units of lbs of emission per unit fuel use) for PM10, SO2 and either VOC or CO/VOC surrogate and their respective dates.

While operating as a simple cycle power plant, the applicant shall submit for approval by the CPM, a single table for each quarter in which the applicant shall show the quarterly emissions and mitigation in the following manner. The applicant shall include such a table or an equivalent table approved by the CPM for each quarter in the calendar year in each quarterly report submitted by the applicant.

	<u>First Quarter</u>		
	<u>Actual Emissions as recorded or calculated (lbs)</u>	<u>ERCs Surrendered as allocated by AQ-18 (lbs)</u>	<u>CARB ERC allocation annual total not to exceed 402,192 lbs (lbs)</u>
<u>NOx</u>			
<u>CO</u>			
<u>VOC</u>			
<u>PM10</u>			
<u>SOx</u>			
<u>First Quarter Total CARB ERCs Allocated</u>			

August 14, 2002

Page 4

Verification: The Project owner shall provide records of the emissions as part of the quarterly reports of Condition **AQ-31**.

IT IS SO ORDERED.

STATE OF CALIFORNIA
ENERGY RESOURCES
CONSERVATION AND
DEVELOPMENT COMMISSION

DATE

WILLIAM J. KEESE
Chairman